IN THE CLAIMS

Please amend the claims as follows:

Claims 1-24 (Canceled).

Claim 25 (Currently Amended): A packet communication network that is connected to a first external network and a second external network, and that executes packet communication between the first external network and the second external network for a plurality of services of which quality requirements on an end-to-end basis are different, the packet communication network comprising:

a parallel network constituted by a plurality of any one of physically [[and]] or logically independent internal networks;

at least one classifier that is connected to the first external network and to each of the networks in the parallel network, and that classifies a packet received from the first external network to one of the networks in the parallel network

at least one classifier connected to the first external network and to each internal network, when classifying a packet to one of the internal networks in the parallel network, the classifier identifying a packet as a voice packet when a pair of a transmission source address and a destination address as well as a destination port number are equal to a pair of addresses between which a conversation is held by a voice service and classifying the voice packet to a voice network among the internal networks; and

at least one multiplexer that <u>prioritizes a packet received from the voice network over</u>

a packet received from other internal networks, the at least one multiplexer being [[is]]

connected to each of the <u>internal</u> networks in the parallel network and to the second external network[[,]] and that multiplies multiplexing packets received from a plurality of internal

networks in the parallel network, and that outputs when outputting a multiplexed packet to the second external network.

Claim 26 (Previously Presented): The packet communication network according to claim 25, wherein the classifier classifies a packet according to a feature amount of a form of the packet.

Claim 27 (Previously Presented): The packet communication network according to claim 26, wherein the feature amount is a packet length of the packet.

Claim 28 (Previously Presented): The packet communication network according to claim 25, wherein the classifier classifies a packet according to a feature amount of contents of the packet.

Claim 29 (Previously Presented): The packet communication network according to claim 28, wherein the feature amount is a DiffServ code point of an IP packet.

Claim 30 (Previously Presented): The packet communication network according to claim 28, wherein the feature amount is any one of a protocol number of an IP packet, a destination port number of a UDP packet, and a destination port number of a TCP packet.

Claim 31 (Previously Presented): The packet communication network according to claim 26, wherein the classifier classifies the packet according to a time series change in a sum of data amounts of packets having an equal feature amount.

Claim 32 (Previously Presented): The packet communication network according to

claim 28, wherein the classifier classifies the packet according to a time series change in a

sum of data amounts of packets having an equal feature amount.

Claim 33 (Previously Presented): The packet communication network according to

claim 25, wherein the classifier includes a detector that detects a status of traffic of each of

the networks in the parallel network, and classifies a packet according to the status of the

traffic.

Claim 34 (Previously Presented): The packet communication network according to

claim 25, wherein the networks in the parallel network are logically grouped into a plurality

of groups so that each of the groups includes a plurality of networks that are physically same.

Claim 35 (Previously Presented): The packet communication network according to

claim 34, wherein each of the groups includes a unit that dynamically changes an allocation

of bands to each of the networks in the group.

Claim 36 (Previously Presented): The packet communication network according to

claim 25, wherein the multiplexer preferentially processes a packet received from a specific

one of the networks in the parallel network.

Claim 37 (Previously Presented): The packet communication network according to

claim 25, wherein the multiplexer preferentially processes a packet having a predetermined

feature amount.

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Claim 38 (Currently Amended): A packet communication method, realized on a packet communication network with a plurality of internal networks in a parallel network that is connected to a first external network and a second external network, and that executes a executing packet communication between the first external network and the second external network, wherein the packet communication network includes

a parallel network constituted by a plurality of any one of physically and logically independent networks;

at least one classifier that is connected to the first external network and to each of the networks in the parallel network; and

at least one multiplexer that is connected to each of the networks in the parallel network and to the second external network, wherein the packet communication method comprising comprises:

[[the]] a classifier, connected to the first external network and to each of a plurality of internal networks, the plurality of internal networks being physically or logically independent and in a parallel network, classifying a packet received from the first external network to one of the plurality of internal networks in the parallel network, the classifier identifying a packet as a voice packet when a pair of a transmission source address and a destination address as well as a destination port number are equal to a pair of addresses between which a conversation is held by a voice service and classifying [[a]] the voice packet received from the first external network to a voice network among one of the plurality of internal networks in the parallel network;

each of the one of the internal networks in the parallel network that the classifier classified the packet to transferring the packet; and

[[the]] a multiplexer, connected to each of the plurality of internal networks in the parallel network and to the second external network, multiplexing packets received from two

or more a plurality internal networks in the parallel network and outputting a multiplexed

packet to the second external network.

Claim 39 (Previously Presented): The packet communication method according to

claim 38, wherein the classifier classifies a packet according to a feature amount of a form of

the packet.

Claim 40 (Previously Presented): The packet communication method according to

claim 39, wherein the feature amount is a packet length of the packet.

Claim 41 (Previously Presented): The packet communication method according to

claim 38, wherein the classifier classifies a packet according to a feature amount of contents

of the packet.

Claim 42 (Previously Presented): The packet communication method according to

claim 41, wherein the feature amount is a DiffServ code point of an IP packet.

Claim 43 (Previously Presented): The packet communication method according to

claim 41, wherein the feature amount is any one of a protocol number of an IP packet, a

destination port number of a UDP packet, and a destination port number of a TCP packet.

Claim 44 (Previously Presented): The packet communication method according to

claim 39, wherein the classifier classifies the packet according to a time series change in a

sum of data amounts of packets having an equal feature amount.

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Claim 45 (Previously Presented): The packet communication method according to

claim 41, wherein the classifier classifies the packet according to a time series change in a

sum of data amounts of packets having an equal feature amount.

Claim 46 (Previously Presented): The packet communication method according to

claim 38, wherein the classifier detects a status of traffic of each of the networks in the

parallel network, and classifies a packet according to the status of the traffic.

Claim 47 (Previously Presented): The packet communication method according to

claim 38, wherein the networks in the parallel network are logically grouped into a plurality

of groups so that each of the groups includes a plurality of networks that are physically same.

Claim 48 (Previously Presented): The packet communication method according to

claim 47, wherein each of the groups includes a unit that dynamically changes an allocation

of bands to each of the networks in the group.

Claim 49 (Previously Presented): The packet communication method according to

claim 38, wherein the multiplexer preferentially processes a packet received from a specific

one of the networks in the parallel network.

Claim 50 (Previously Presented): The packet communication method according to

claim 38, wherein the multiplexer preferentially processes a packet having a predetermined

feature amount.

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